



# City of Columbia, Missouri

## Meeting Minutes

### Building Construction Codes Commission

---

Thursday, November 8, 2018  
4:00 PM

2017 NEC CODE REVIEW

Conference Room 5D -  
City Hall, 701 E  
Broadway

---

#### Committee to review the 2017 National Electrical Code

##### I. CALL TO ORDER

Meeting was called to order at 4:00.

Fred Malicoat--Engineer/BCCC Member  
Todd Noordsey-Master Electrician/BCCC Member (Elected Chair)  
Austin Tipton-Master Plumber/BCCC Member  
JP Watson--Engineer/BCCC Member (Elected co-Chair)  
Richard Shanker-Fire Expert/BCCC Member

All 5 BCCC members present

Curtis Lichty, John Simon-Staff/City of Columbia

##### II. APPROVAL OF AGENDA

##### III. OLD BUSINESS

##### IV. NEW BUSINESS

###### A. ELECT CHAIR

Fred Malicoat nominated Todd Noordsey for Chair. Seconded by Austin Tipton.  
Unanimous approval. Fred Malicoat nominated JP Watson to co-chair the committee.  
Second by Todd Noordsy. Unanimous approval.

###### B. INITIAL STAFF REPORT ON MAJOR CHANGES.

Curtis Lichty presented staff interpretation of major changes to the 2017 NEC through change #18 on his handout (Attached to minutes).

**Attachments:** [2017 NEC Significant Changes Handout 11-08-18](#)

##### V. GENERAL COMMENTS BY PUBLIC, MEMBERS AND STAFF

Staff presentation of the remaining changes will begin on #19 of the handout at the November 15, 2018 meeting.

Much discussion pertaining to change #1 on the handout. "Article 110.14(D). Electrical Connections. Installation. Where equipment is marked with a tightening torque value, a calibrated torque tool shall be used to achieve the manufacturer's specified torque value for wire terminations in equipment."

The committee expressed concern about how the City staff could enforce such a

requirement. City staff did not see this as an issue needing discussion as it is the code regardless of how it is enforced. Several ideas were floated out pertaining to reasonable enforcement practice. Richard Shanker made a motion to table the discussion on this subject. The motion was seconded by Fred Malicoat. After more discussion the committee voted against tabling the discussion. The vote was 4 to 1 with Mr. Shanker dissenting. After further discussion it was determined the section should remain as written.

The committee agreed the remaining change items would be presented and after time to think about them they could be revisited for possible amendment.

Item #5 pertaining to required GFCI protection of lighting outlets in crawlspaces was marked to be revisited because of concern the fixtures may be more apt to go off when personnel were in the crawlspace.

Item #6 pertaining to garage branch circuits was marked to be revisited because the required 20 amp branch circuit to feed garage outlets could not be used for garage lighting.

Item #7 pertaining to Arc-Fault Circuit-Interrupter(AFCI) Protection started a conversation, per Curtis Lichty's observation, about the need to include sleeping units in the existing amendments because using the term "dwelling unit" eliminated the requirement for AFCI in fraternity and sorority "sleeping units". This could possibly be added to (C) Dormitory Units.

Item #11 pertaining to Overhead service conductors was marked to be revisited. Because of debate over proper grounding of a supporting metal structure. (Steff might simply ask for an engineered design for such a configuration)

Item #17 was marked for further discussion about "Other means of bonding for communication systems include connections to an aluminum or copper busbar having at least three termination lugs for communications systems..."

## **VI. NEXT MEETING DATE-NOVEMBER 15, 2018**

## **VII. ADJOURNMENT**

Meeting adjourned at 5:15 pm.

Members of the public may attend any open meeting. For requests for accommodations related to disability, please call 573-874-CITY (573-874-2489) or email CITY@CoMo.gov. In order to assist staff in making the appropriate arrangements for your accommodation, please make your request as far in advance of the posted meeting date as possible.